



OCZ Z-Drive R2 p88

1TB PCI-Express SSD

Design & Technology:

Z-Drive R2 p88 is designed to meet the demanding storage and computing applications of enterprise servers storage arrays, super computing and data warehousing. The Z-Drive delivers faster more reliable data transfer and reduced power consumption. Unlike other solutions, the Z-Drive provides a cost-effective formula of performance, reliability, and upkeep for enterprise customers and their applications which require the benefits of solid state drive technology.



Applications:

Servers and workstations

Physical Specifications

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|------------------------|--|
| Capacity: | 1TB |
| NAND Flash Components: | Multi-Level Cell (MLC) NAND Flash Memory |
| Interface: | PCI Express |
| Form Factor: | x8 slot full height PCI Express |
| Dimensions: | See page 2 |

Reliability Specifications

| | |
|----------------------------|---|
| Life Expectancy: | 1.0 million hours Mean Time Before Failure (MTBF) |
| Reliability: | ECC is BCH with 8, 12 or 16 bits correctable, depending on NAND |
| Product Health Monitoring: | Self-Monitoring, Analysis and Reporting Technology |

Environmental Specs

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|------------------------|---------------|
| Operating Temperature: | 0°C ~ 70°C |
| Storage Temperature: | -45°C ~ +85°C |
| Certifications: | RoHS, CE, FCC |

Performance Specifications

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|---------------------------|------------------------------------|
| Max Read: | up to 1.4GB/s |
| Max Write: | up to 1.4GB/s |
| Sustained Write: | up to 950MB/s |
| Cache: | 512MB on board Cache |
| Max Random Write IOPS: | 14500 IOPS (4KB 32QD) |
| Max Random Read IOPS: | 29000 IOPS (4KB 32QD) |
| Power Consumption: | Active: 20 Watts |
| Performance Optimization: | Background Garbage Collection (GC) |

Compatibility

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|---------------------|--|
| OS Compatibility: | Windows (XP or later) Client and Server versions, Linux , Apple OS X (coming soon) |
| Power Requirements: | PCI Express only, no external power |

Part Number UPC

| | |
|-------------------|--------------|
| OCZSSDPX-ZD2P881T | 842024016984 |
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Mechanical Information:

